Job Code: 005-20-000098
Est cost: 800.00 lakhs

M. A. R. 57 (Rule 116) No. E 535501

Measurement Book

Serial No. ..... Improvements to Roads and Drains at Bhagath Singh
Name of work Kalidasa layout From Chamundeshwari nagara, Babanagar,
Name of Contractor of nature of Agency. Srirampura, MCECHS layout, palanahalli
Date of commencement of work and Surrounding areas in Ward No 05

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work Order No: BBMP/EE/BTP/W.O/121/2020-21 Dt 29/09/2020						
	Name of Agency: M/s SMLP Asphalts, prop B.B. Umesh, Bangalore.						
	(1) Removing and Refixing Stone slabs of drains & pointing in CM(1:3) with all lead & Lift & as per the direction of Engineer in-charge.						
	@ Rate 116/- m^3				Qty - 1932.81 m^3	= 224206=00	

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2) Excavation for road, drains & Similar works Earthwork excavation by manual means in ordinary soil involving an average throw upto 2m & an Avg. Lift upto 0.5m excavated surface levels & sides neatly dressed the disposed earth to be leveled neatly after breaking of clods etc complete. @ Rate 217/m^3 Qty- 3789.31 m^3 = 822280=00 (3) providing granite slabs of selecting quality roughly dressed having a size of 7.5cm thick & thick						

Scanned by CamScanner

M. A. R. 57 (Rule 116) **No. E** 535502

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	in C.M(1:6) including fixing curing etc Compleate will all lead & lift + as per IE directions of Engineer-in-charge @ Rate 779/m²				Qty- 2403.89 m² = 1872630=00	
④	Providing & laying plain C.C 7 mix 1:3:6 with 40 m.m down size graded granite mental coarse aggregates & fine aggregates in foundation machanically mixed placed in foundations & compactes by vibration including curing for 14 days including cost all materials etc Compleate.					

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ Rate 5692/m^3				Qty-	384.51 m^3	
					=	2188631 = ₹	
(5)	providing & laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with 20 m.m & down size granite metal coarse aggregates & fine aggregates machine mixed well compacted for walls & bottom including centering shuttering cost of materials HOM & machinery curing etc complete						
	@ Rate 7423/m^3				Qty-	745.03 m^3	
					=	5530358 = ₹	
(6)	providing T.M.T Steel reinforcement for R.C.C work including straightening Cutting bending						

Scanned by CamScanner

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

535503

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	hoolcing placing in position lapping & or welding wherever requires tying with binding wire & anchoring to the adjoining members wherever necessary compleate as per design cost & materials labour, HOM & machinery etc compleate						
	⑤ Rate 75936/Tonne					Qty - 43.72 Tonne = 3319922=00	
⑦	providing & constructing granite/trap/basalt SSM in foundation with C.M, stone hammered dressed in course not less than 20 cm high bond stones at 2m						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	apart in each course including cost materials labour curing etc complete @ Rate 5114/m^3 Qty- 34.18 m^3 = 174797=00						
(8)	providing & laying in position P.C.C of mix 1:2:4 with 20mm & down size granite metal coarse aggregates & fine aggregates machine mixes concrete laid in layers not exceeding 15cms like well compacted in foundations including cost of all materials curing etc complete @ Rate 6034/m^3 Qty- 219.21 m^3 = 1322713=50						

Scanned by CamScanner

M. A. R. 57 (Rule 116) No. E 535504
Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(9)	providing & Constructing load bearing wall with Sol:3 concreate blocks of size 400x150x200 m.m having block density not less than 1800 kg/m³ & having a min avg Compressive strength 400 N/mm² Confirming to BS & constructed with 1:4 mending cost- & all materials labour charges etc Concreate						
	@ Rate 1028/m²					Qty- 1947.88/m²	
						= 2002420=00	
(10)	providing & fixing Rcc pre cast Covering Slabs of 100 m.m thick for drain in C:C M25 using graded granite Jelly 20 m.m & down size with Steel						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	reinforcement including form work Lift- charges curing & Concrete finished Surface on both sides etc complete						
	@ Rate 2453/m²					Qty - 3649.23m² = 8951561=00	
(11)	Providing & Fixing pre cast- Covering Slabs 250m.m thick made out of M25 & Selly 20m.m down size with steel reinforcement including form work 20m.m down size with steel reinforcement including form Loading, Unloading lead & Lift- transportation etc complete						
	@ Rate 5688/m²					Qty - 155.16m² = 882550=00	

Scanned by CamScanner

M. A. R. 57 (Rule 116) **No. E** 535505

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
(12)	Excavation for road work in soil with hydraulic excavation of 0.9 m^3 bucket capacity including cutting & loading tippers. trimming bottom & sides slopes in accordance with requirements & lines grades and cross section & transporting to the embankments locations to a lead of 1 km etc complete @ Rate 60/ m^3			Qty - 5877.13 m^3 = 352627=60		
(13)	Construction of granular Sub base and drainage layer by providing coarse graded crushed stones aggregate of granite			Sub base grading-V		

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	material mixing in a mechanical mix plant at OMC, carriage & mixed materials to work site spreading in uniform layers with motor grador on prepared surface & compacting with vibratory power roller to achive 1k 98% proctor density etc complete @ Rate 209 4/- m^3				Qty - 2878.59 m^3	= 602767=00	
(14)	providing laying spreading & compacting Crushed stone aggregates of granite/basalt to wet mix macadam specifications including premixing 1k materials with water at OMC in mechanical						

M. A. R. 57 (Rule 116) No. E 535506
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	mix plant carriage & mixed materials by tipper to site laying in uniform layers with paver in sub-base course on over prepared surface & compacting with vibratory roller to achive 1k desired density etc complete @ Rate 210 1/- m^3				Qty - 4317.89 m^3	= 907188 7=00	
(15)	providing & applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of road surface & Spraying primer at the rate of 0.60 kg/m² using mechanical means etc Complete						
	@ Rate 30/m²					Qty 2571.66 m²	
						= 77149 = 00
(17)	providing & applying tarry coal using 80/100 grade bitumen on the prepared black topped surface at 2.5 kg per 10 m² heating bitumen in boiler fitted with Spray Set including cost of all materials labour. Hire of machinery etc. Complete						
	@ Rate 13/m²					Qty 2571.66 m²	
						= 33432 = 00

M. A. R. 57 (Rule 116) No. E 535507
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(18)	providing & laying Dense Graded Bituminous Macadam using crushed aggregates of specified grading premixed with VG 30 grade bituminous binder & transporting the hot mix to work site laying to the required grade, level & alignment rolling with Smooth wheeled vibratory & tandem rollers to achieve the desired compaction in all respects etc Complete						
	@ Rate 6926/m²					Qty 128.55 m²	
						= 890545 = 00

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(19)	providing & laying bituminous concreate 40 mm thick with hot mix plant using crushed aggregate & specified grading premixed with bituminous binder & filler transporting the hot mix to work site laying with a paver finisher to required grade. level & alignment rolling with smooth wheeled vibratory & tandem rollers to achive the desired compaction in all respects complete as per specification etc complete						
	@ Rate 8140/- m^3					qty - 102.87 m^3	
						= 837362=00	
						44582837=00	

Scanned by CamScanner

M. A. R. 57 (Rule 116) No. E 535508

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
4/12/2020			Grand total			= 44582837=00	
			Add 12% GST			= 5349940=00	
			Grand total			= 49932777=00	
(1)	It is certified that the above work done Satisfactorially.						
(2)	The above Bill Amount is not claimed any of privious Bills.						

4/12/2020

ಸಹಾಯಕ ಅಭಿಯಂತರರು

4/12/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ನೀರು ಸರಬರಾಜು ಮತ್ತು ಒಳಚರಂಡಿ ಮಂಡಳಿ

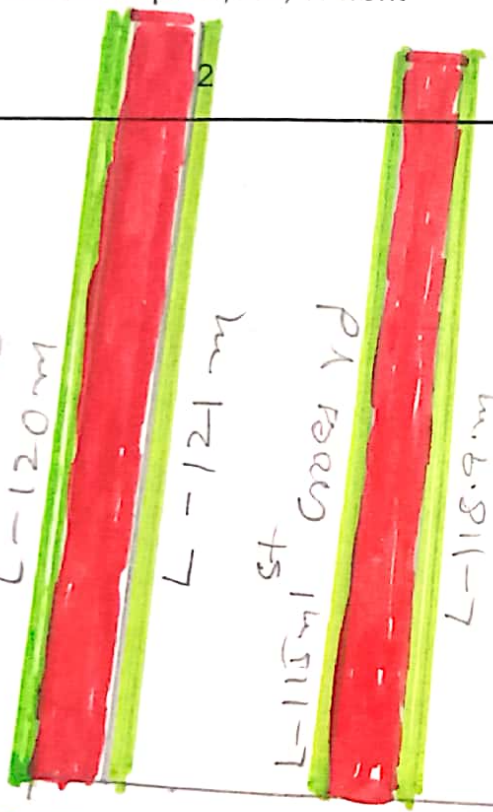
ಬಿ.ಡಬ್ಲ್ಯೂ.ಎಸ್.ಎಸ್.ಬಿ. ವ್ಯಾಪ್ತಿಯಲ್ಲಿರುವ ಉಪ ವಿಭಾಗಗಳಿಗೆ ಮಾತ್ರ ಬಳಸಲು

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

N.



Flagging course one metre Road.

4/12/2020

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್
ಬೆಂಗಳೂರು

4/12/2020

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535509

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

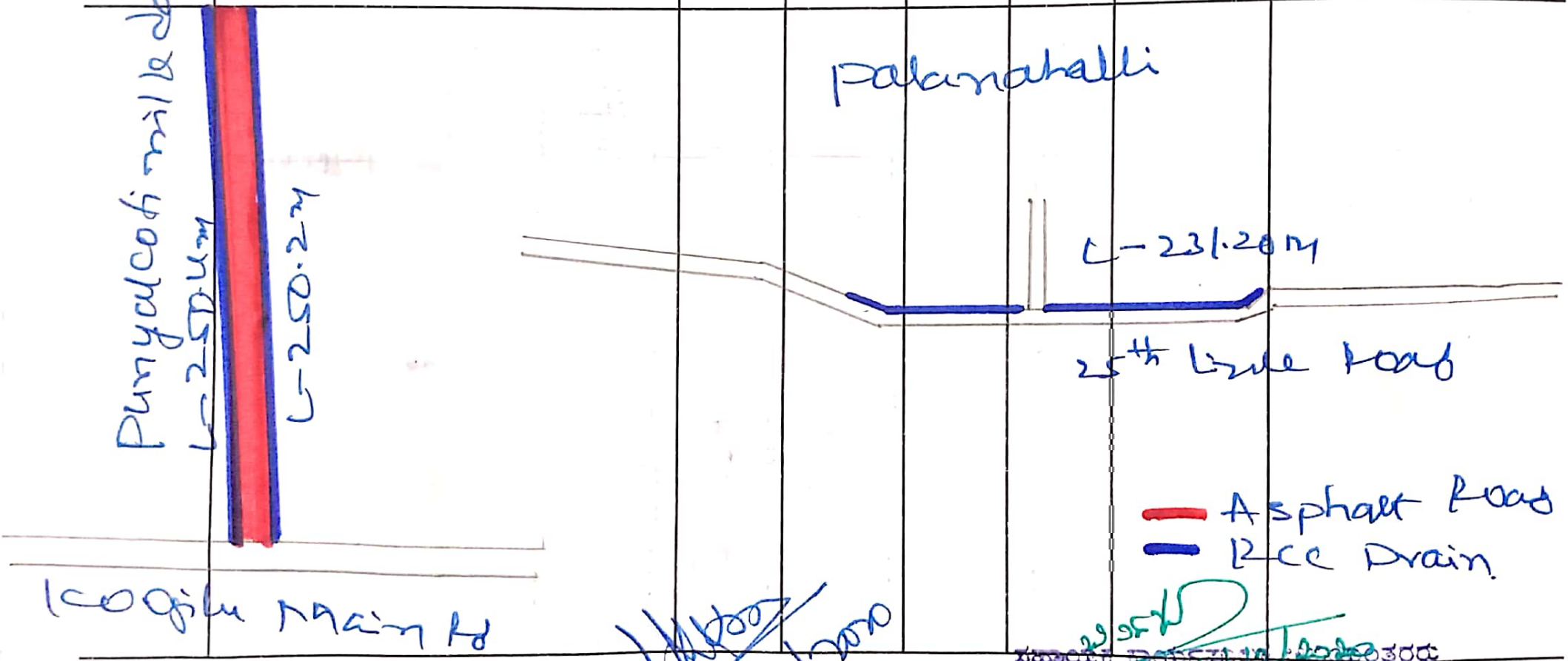
Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	Changing of shown in 2nd cross Rd 3rd cross Rd 1st cross Rd L-110.9m L-132.9 L-135.2m L-24.6 L-24.3 L-129.5m L-113.8m 1st cross Rd L-154.3m 2nd cross Rd						SWETMIX Road Flagging Course 2 ಸಾಕಷ್ಟು 4/12/2020 ಸಹಾಯಕ ಕಾರ್ಯ[illegible] ಪೂರ್ಣಗೊಂಡ ನಂತರದ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಪೂರ್ಣಗೊಂಡ ನಂತರದ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24		Atulcal	layout-			

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535510

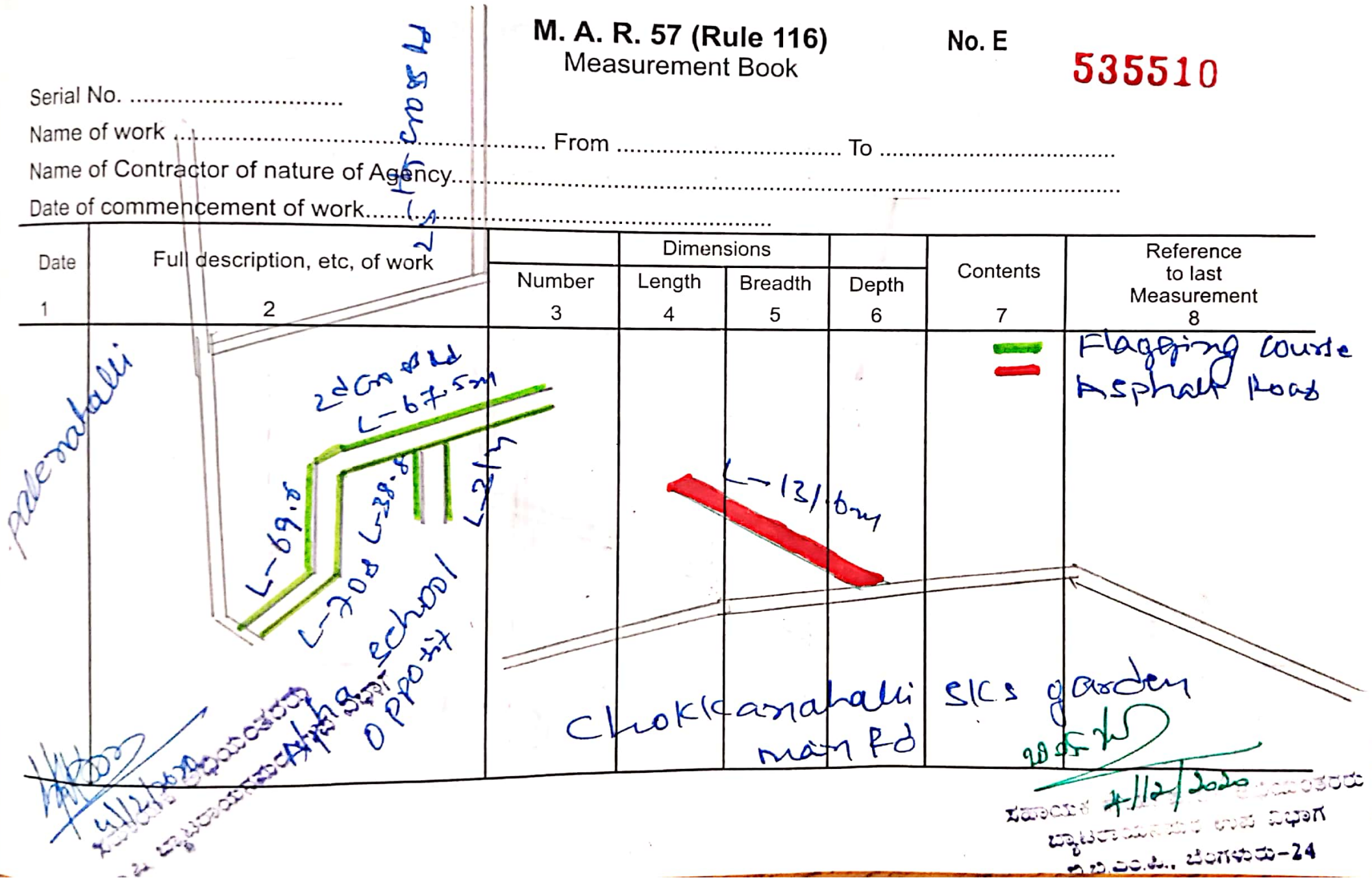
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

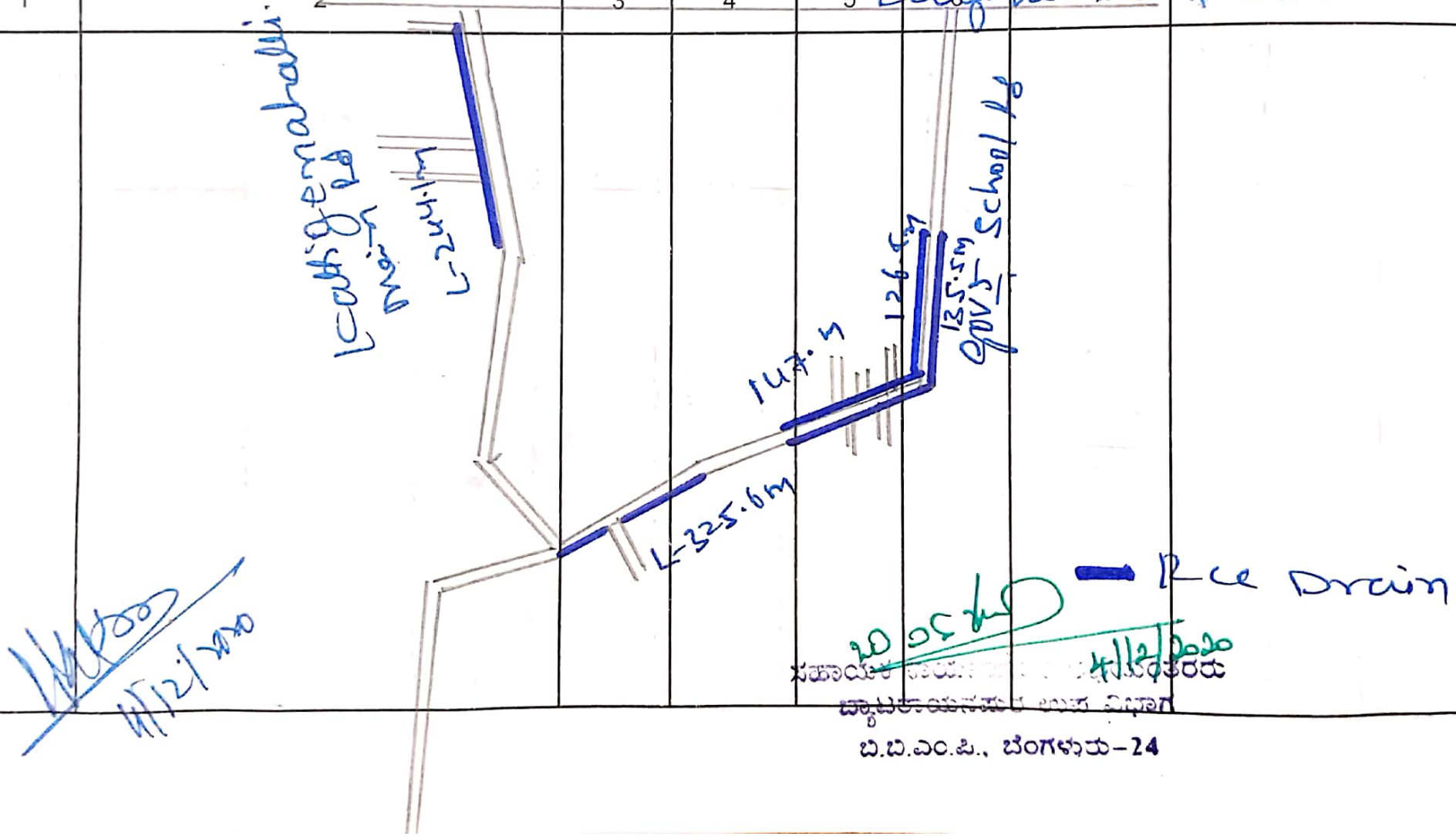
Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
							Flagging Course Asphalt Road



Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Scanned by CamScanner

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

535511

No. MLE(HS layout

of work ..... From ..... To .....

of Contractor of nature of Agency.....

commencement of work.....

Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth / Depth		
2	3	4	5 / 6	7	8
298.4m					
K.V Layout Rd	L-110	L-68			
wet mix Road	L-102m		L-69.4m		

ಸಹಾಯಕ ಇಂಜಿನಿಯರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Baba Nagara					RCC Drain Flagging Course	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Scanned by CamScanner